

FIG. 1

A

# ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES

PROGENITOR  
CIRCA 1750

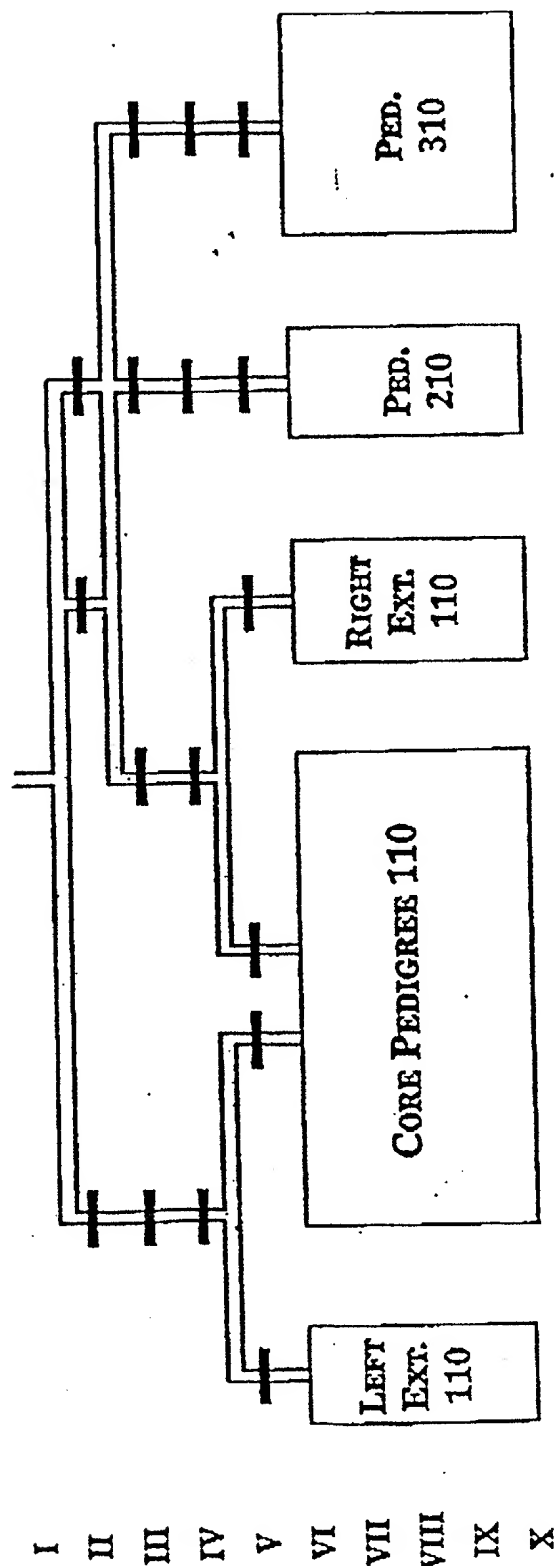


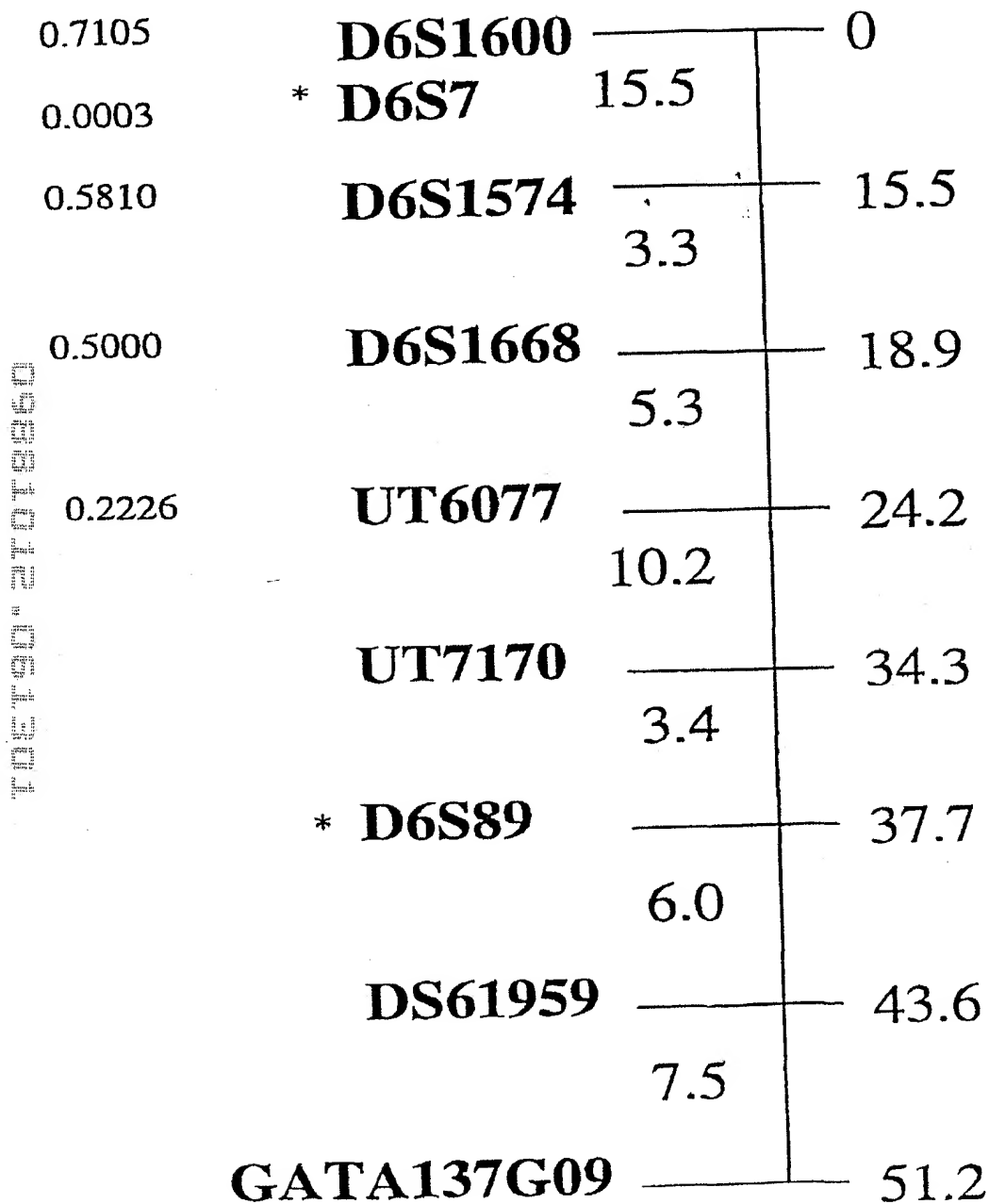
FIG. 2



CLASS BOUNDS

MAX LOD SCORES

**SIBPAL**  
**P**



\* = NG markers/values

Figure 3

**SIBPAL P**

	D13S56h1	0.0
	0.0	
	D13S56h2	0.0
	11.6	
0.0865	* D13S291	11.6
	6.8	
	D13S37	
	GATA125CO4	18.4
	2.8	
0.0171	* D13S218	
0.4336	D13S894	21.2
	6.1	
	* D13S1m	27.3
0.0003	0.0	
	* D13S1t	27.3
	5.2	
0.4905	* D13S171	32.5
	3.8	
0.1593	D13S260	36.3
	10.4	
	D13S221	46.7
	6.5	
	D13S232	53.2

Figure 4

SIBPAL P

	D15S114		0.0
0.1449	299yf	11.1	11.1
0.0411	D15S131	5.8	16.8
0.2091	D15S153	7.8	24.6
0.0114	* D15S36	7.6	32.2
0.0003	* D15S45		
0.0433	D15S159	1.5	33.6
0.0217	* D15S148		
0.1020	135yc	1.4	35.0
	D15S1033		
	D15S150	1.7	36.7
	D15S38		
	* D15S117	5.6	42.3
	GATA153F11	5.1	47.4
	D15S962		
	D15S48ml	1.2	48.6
	189yc	2.4	

Figure 5

09031612 001301  
199709 2104260

SIBPAL P value

	D4S412		0.0
0.5241	D4S2935	13.6	13.6
	D4S431	1.2	14.8
	D4S431a	0.9	15.7
0.0002	D4S2366	1.0	16.7
	D4S394a	3.2	19.8
0.0015	D4S3007	2.1	
0.0035	D4S394		21.9
0.0000	D4S2949	9.4	31.3
0.0626	D4S1605	2.5	
0.0005	D4S1582		33.8
	D4S107m	0.5	
	D4S403		34.3
		7.6	
0.0002	D4S419		41.9
		6.2	
0.0004	D4S404		48.1
		6.6	
	D4S391		54.7
		12.1	
	D4S405		66.8

Figure 6

4p Locus

[illegible]

49 Hea III (NG 96)

Figure 7

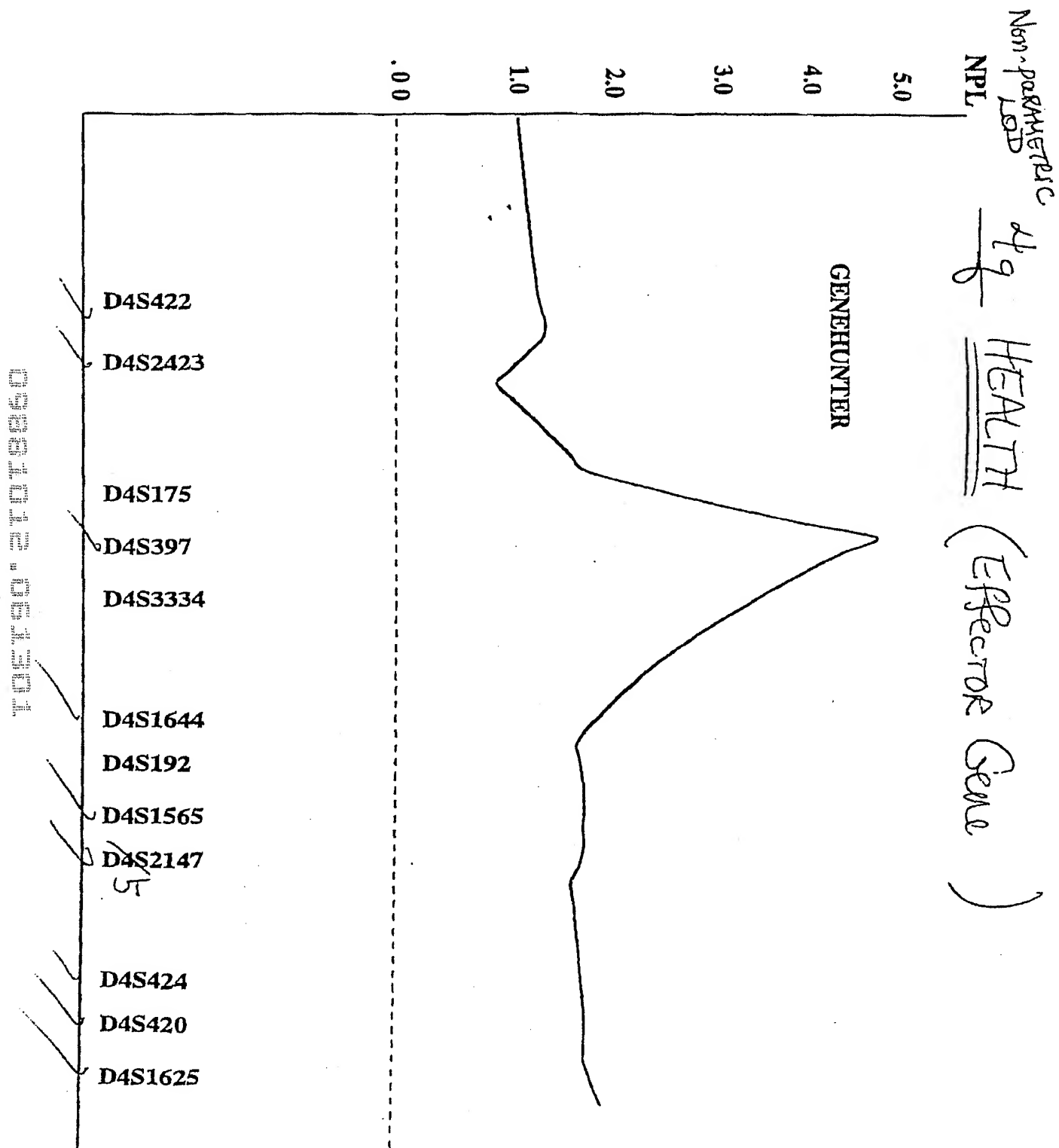


Figure 8





# AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS

PROGENITOR

1700-1750

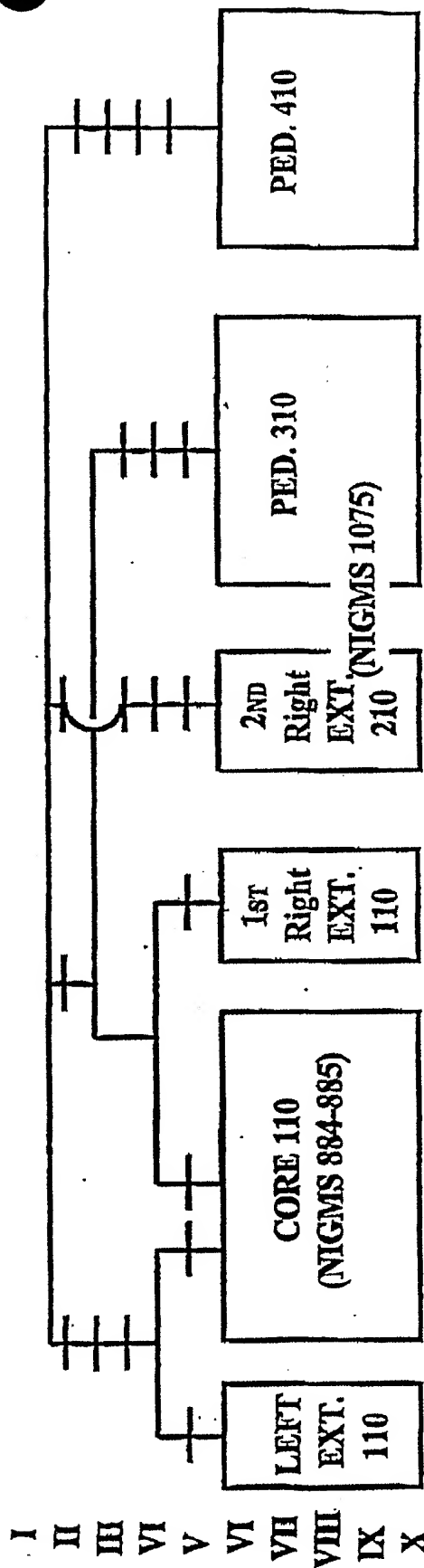


Figure 10

1000  
900  
800  
700  
600  
500  
400  
300  
200  
100  
0

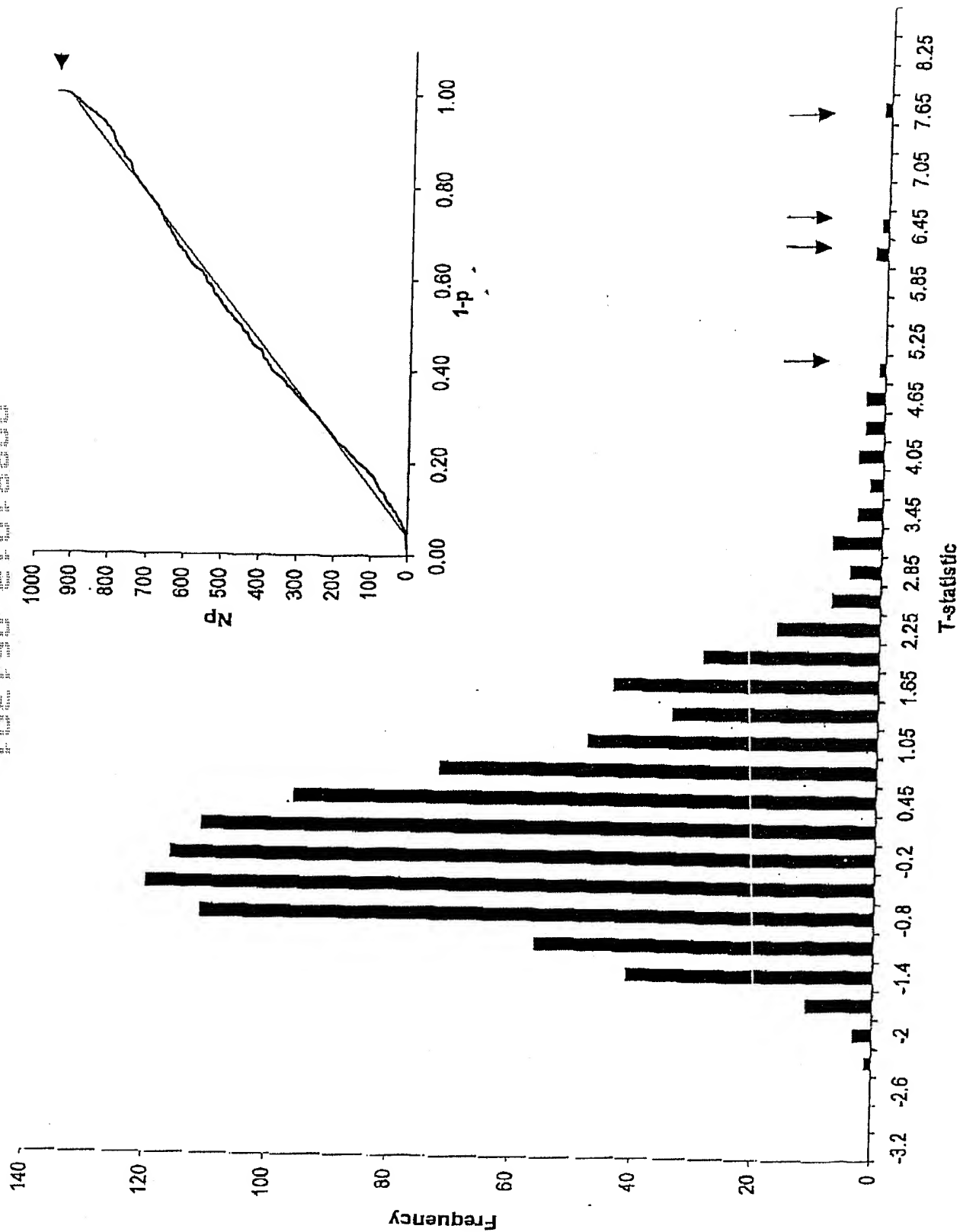


Figure 11

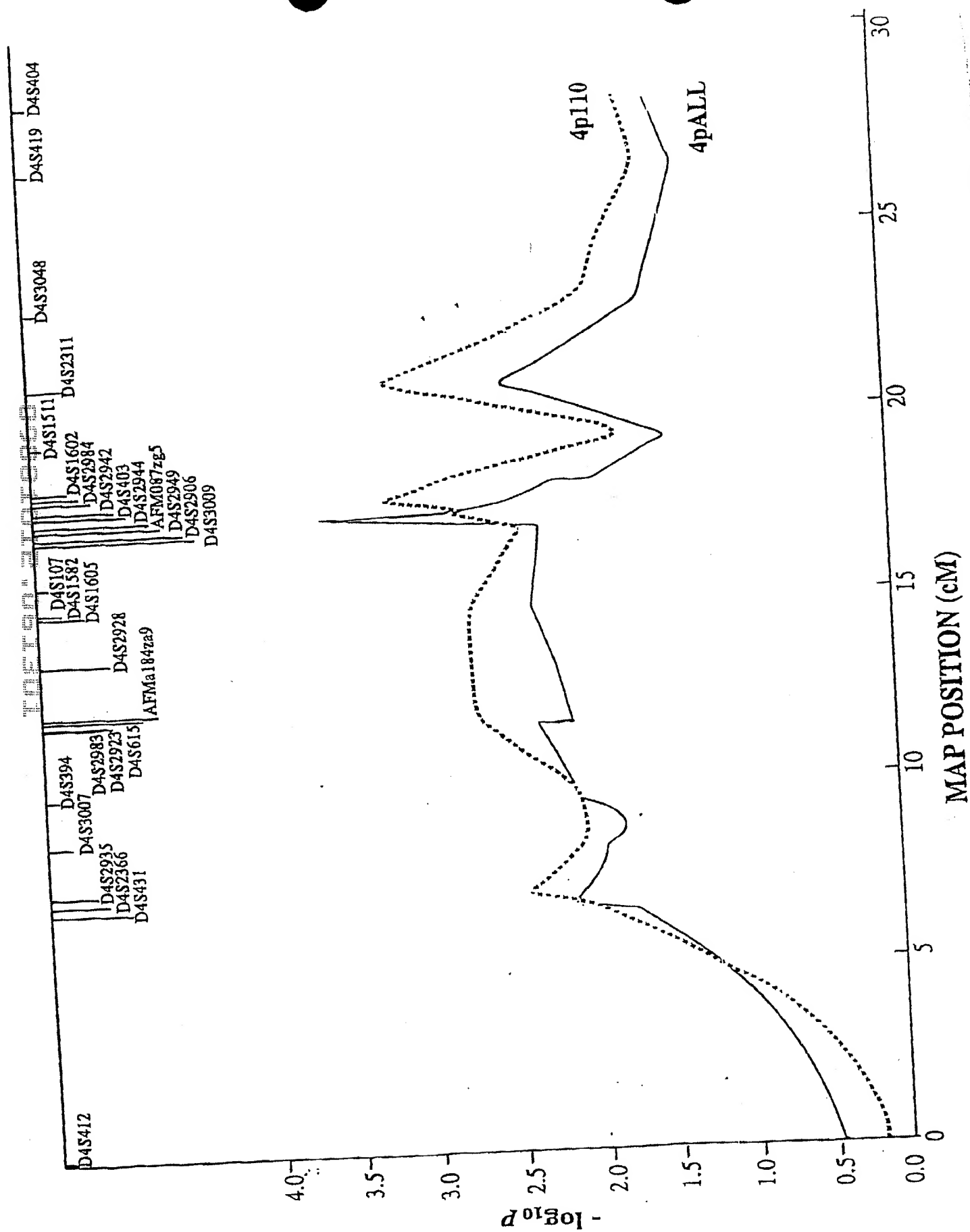


Figure 12A

REF ID: A1013360

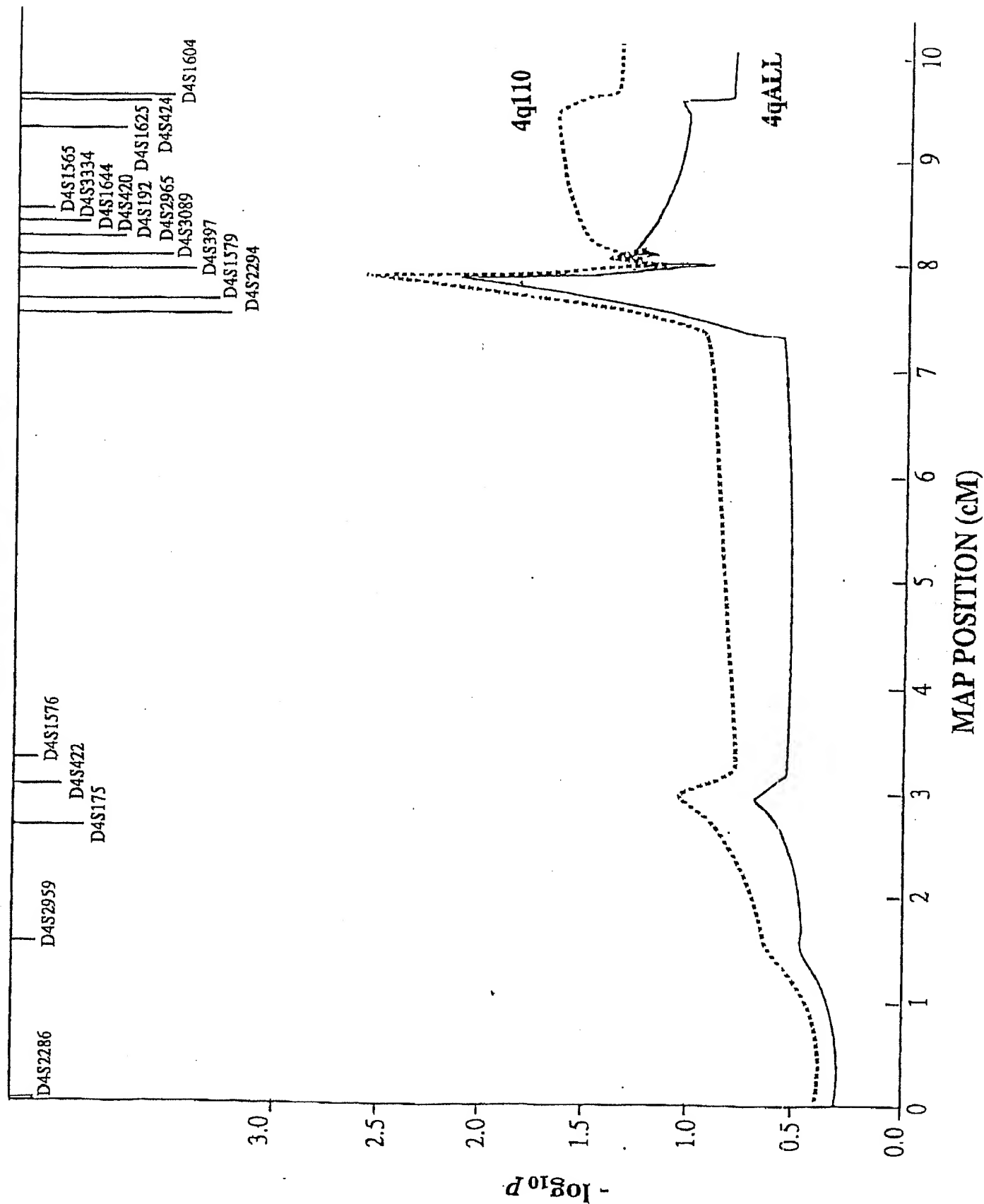


Figure 12B